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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/801,605	03/08/2001	Joon Chang	AUS9-2000-0922-US1	5316

7590 03/26/2004

Joseph T. Van Leeuwen
P.O. Box 81641
Austin, TX 78708-1641

EXAMINER

MIZRAHI, DIANE D

ART UNIT	PAPER NUMBER
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2175

DATE MAILED: 03/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/801,605

Applicant(s)

CHANG ET AL.

Examiner

DIANE D. MIZRAHI

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-35 is/are pending in the application.
- 4a) Of the above claim(s) 11-20 and 31-35 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1,2,21 and 22 is/are rejected.
- 7) ☒ Claim(s) 3-10 and 23-30 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

DIANE D. MIZRAHI
PRIMARY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

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III. DETAILED ACTION

Claims 1-10 and 21-30 are presented for examination.

Claims 11-20 and 31-35 were not elected on the Restriction-election requirement and Applicant is reminded that these claims have not been canceled and need to be canceled with Applicant's amendment.

Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-2 and 21-22, are rejected under 35 U.S.C. 102(e) as being anticipated by Stephen A. Tarin (US Pub. No.: 2001/0000536A1 and Tarin hereinafter).

Regarding Claims 1 and 21, Tarin teaches a computer apparatus and associated method for managing extended attribute data, said method comprising:

identifying a data area in a data space (i.e. space usage) [0011]; store attribute data (i.e. composed of a fixed number of "fields" (or "attributes") that contain specific content about the entity) [0003]; storing the attribute data (i.e. composed of a fixed number of "fields" (or "attributes") that contain specific content about the entity) [0003] in the identified data area (i.e. space. . pre-indexed data to maintain sortedness or a time intensive search involving multiple passes over the entirety of each attribute that is being joined.) [0288]; and marking (i.e. all attributes can be sorted, and union columns can eliminate the need to maintain redundant copies of data. . . functions can be implemented efficiently through the displacement table, various alternate displacement tables, bit maps and/or n-valued logic functions) [0289] one or more bits in a bitmap , bit maps and/or n-valued logic functions) [0289] corresponding to the data space (i.e. a tomb stoning flag such free is then available for use when the data in existing records is changed or new records are added. In unsorted columns that are "attached" as described) [0249], wherein the marked bits correspond to the

identified data area [0083-0084].

Regarding Claims 2, and 22, Tarin teaches storing an extended attribute type, a size, and an offset in an extended attribute directory (i.e. by a record-type table structured database, in order to reconstruct the records in any of these orders, there is a space-time tradeoff. If the records are to be reproduced quickly, and in linear time, four separate indices are required, specifying the four different sort orders. To avoid this redundant use of space [0133] see also [0124-0134]; see also [0135-0141].

Allowable Subject Matter

Claims 3-10 and 23-30 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

Applicant's particular data space with inline page and one or more outline page in combination with the other limitations of the claims, was not disclosed by, would not have been obvious

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over, nor would have been fairly suggested by the prior art of record.

The dependent claims, being further limiting to the independent claims, definite and enabled by the Specification are also allowed.

The closest prior art, Tarin discloses space usage and/or speed of access, such that the rows no longer necessarily correspond to individual records by eliminating redundant values (which reduces memory usage) and sort-ordering the columns, ensuring that value groups will always appear in some particular. The closest prior art fails to anticipate or render Applicant's limitations above obvious.

Other Prior Art Made of Record

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diane D. Mizrahi whose telephone number is (703) 305-3806. The examiner can normally be reached on Monday-Thursday.

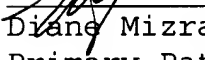
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on (703) 305-3830.

The fax phone numbers for the organization where this application or proceeding is assigned

are (703) 305-9000 for regular communications and (703) 305-9000 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-9001.


Diane Mizrahi
Primary Patent Examiner
Technology Center 2100

March 20, 2004